

**Contents****Volume 149, April 15, 1991**

EVGENJI E. TYRTYSHNIKOV (Moscow, USSR)	
Cauchy-Toeplitz Matrices and Some Applications . . . . .	1
JIA-YU SHAO (Shanghai, China)	
Bounds on the $k$ th Eigenvalues of Trees and Forests . . . . .	19
DENNIS PHILLIPS (Middleton, Wisconsin)	
Resolvent Bounds and Spectral Variation . . . . .	35
RAYMOND H. CHAN, XIAO-QING JIN, AND MAN-CHUNG YEUNG (Hong Kong, China)	
The Circulant Operator in the Banach Algebra of Matrices . . . . .	41
GREGORY AMMAR (De Kalb, Illinois) AND VOLKER MEHRMANN (Bielefeld, Germany)	
On Hamiltonian and Symplectic Hessenberg Forms . . . . .	55
JERZY K. BAKSALARY (Tampere, Finland) AND SUJIT KUMAR MITRA (New Dehli, India)	
Left-Star and Right-Star Partial Orderings . . . . .	73
MASATOSHI FUJII (Osaka, Japan), TAKAYUKI FURUTA (Aomori, Japan), AND EIZABURO KAMEI (Osaka, Japan)	
Operator Functions Associated With Furuta's Inequality . . . . .	91
PABLO TARAZAGA (Houston, Texas)	
More Estimates for Eigenvalues and Singular Values . . . . .	97
JIN-HSIEN WANG AND PEI YUAN WU (Hsinchu, Taiwan)	
Products of Unipotent Matrices of Index 2 . . . . .	111
R. B. BAPAT AND A. K. LAL (New Dehli, India)	
Path-Positive Graphs . . . . .	125
EYTAN PALDI, HEDI TAUB PALDI, AND SHAUL GUTMAN (Haifa, Israel)	
The Intersection of Regions and Root Clustering . . . . .	151
RUUD H. KONING (Groningen, The Netherlands), HEINZ NEUDECKER (Amsterdam, The Netherlands), AND TOM WANSBEEK (Groningen, The Netherlands)	
Block Kronecker Products and the vecb Operator . . . . .	165
JOHN HANNAH AND K. C. O'MEARA (Christchurch, New Zealand)	
Products of Simultaneously Triangulable Idempotent Matrices . . . . .	185

*Table of Contents Continued*

<b>C. CARSTENSEN</b> (Hannover, Germany)	
Linear Construction of Companion Matrices	191
<b>BEN MATHES</b> (Waterville, Maine), <b>MATJAŽ OMLADIČ</b> (Jadranska, Yugoslavia), AND <b>HEYDAR RADJAVI</b> (Halifax, Nova Scotia, Canada)	
Linear Spaces of Nilpotent Matrices	215
<b>NIR COHEN</b> (Rehovot, Israel) AND <b>IZCHAK LEWKOWICZ</b> (Haifa, Israel)	
Bounds for Singular Values Based on the Eigenvectors	227
<b>REPORT</b>	
<b>GEORGE POOLE</b> AND <b>LARRY NEAL</b> (Johnson City, Tennessee)	
A Geometric Analysis of Gaussian Elimination. I	249
<b>BOOK REVIEW</b>	
<b>JANE M. DAY</b> (San Jose, California)	
Review of <i>A Comprehensive Introduction to Linear Algebra</i> , by <b>Joel G. Broida</b> and <b>S. Gill Williamson</b>	273
<b>ADDENDUM</b>	
<b>MARK S. ASHBAUGH</b> AND <b>RAFAEL D. BENGURIA</b> (Columbia, Missouri)	
Some Eigenvalue Inequalities for a Class of Jacobi Matrices	277
<b>AUTHOR INDEX</b>	279

